GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1680
ANSWERED ON:28.11.2007
POWER GENERATION FROM ATOMIC ENERGY SOURCES
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Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether very less amount of power is being generated from atomic energy sources;

(b) if so, the details thereof and the reasons therefor including the capacity and actual generation of power during the last three years, plant-wise, year-wise;

(c) the status of India vis-Ã -vis other nations in this regard; and

(d) the steps taken by the Government to increase production of atomic energy in the country?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER`S OFFICE(SHRI PRITHVIRAJ CHAVAN)

(a) The nuclear electricity generation is about 3% of the total electricity generation in the country.

(b) The current installed nuclear power capacity is 4120 MWe, about 3% of the total installed capacity. The capacity at the end of the year and actual generation of electricity during the last three years are:

Station / Year	2004-05		2005-06		2006-07	
	Capacity(MWe)	Generation (MUs)	Capacity (MWe)	Generation(MUs)	Capacity (MWe)	Generation (MUs)
Tarapur Atomic Power Station (TAPS)	320	2587	860	3667	1400	6501
Rajasthan Atomic Power Station (RAPS)	740	4743	740	4440	740	3668
Madras Atomic Power Station (MAPS)	440	1482	440	1852	440	2622
Narora Atomic Power Station (NAPS)	440	2760	440	2138	440	1024
Kakrapar Atomic Power Station (KAPS)	440	2513	440	2367	440	2446
Kaiga Generating Station (KGS)	440	2926	440	2860	440	2541

Notes:

1) MAPS-1 under Renovation and Modernization from 20.8.2003 to 17.01.2006

2) RAPS-1 shutdown from 9.10.2004 for review of continuation of operation.

3) TAPS-4 commenced commercial operation on 12.09.2005.

4) NAPS-1 under Renovation and Modernization from 01.11.05

5) TAPS-3 commenced commercial operation on 18.09.2006.

(c) The nuclear share in developed countries like France- 78%, Germany-32%, Japan-30%, Korea- 39%, UK- 18% & USA- 19% is high, while that in developing countries like Brazil-3%, China-2% is comparable to that of India.

(d) The present installed capacity of 4120 MWe will reach 7280 MWe by completion of the projects under construction by the year 2011. Work is also at hand to take up construction of additional nuclear power plants.